Info-Hams Digest   Sun, 7 Mar 93   Volume 93 : Issue 286

Today's Topics:
                       770-806 MHz? Any clues?
   [QUESTION] Free Internet access for Ham Radio Operators? (3 msgs)
                          alfa, bravo ...
             Ham-Oriented Lists at Listserv@Knuth.MTSU.edu
               INFO WANTED: Tokyo Hy-Power QRP CW/SSB HT
                      Knwd TS440S SWR shutdown
               Old Motorola Repeater - Need help & Docs
                     On-line frequency lists?
                         Periphex SUCKS!
               Propagation Forecast Bulletin 9 ARLP009
                        Studio mics for HF?
                   VK2SG RTTY DX Notes, 5 March

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

In <1993Mar5.084044.119970@marshall.wvnet.edu> rcbi106@marshall.wvnet.edu writes:

>Does anyone have a band plan or a list of radio services authorized in
>the 770-806MHz range? Is this TV? Cellular? Paging? I did hear some
>carriers and audio in there, but I never could peg a clean signal. It

>was full quieting, but was too distorted; about all I could tell was
>that is was a man preaching to a responsive audience, not that this is
>relevent to the question. By the way I'm tuning it on a friend's IC-R1,
>and am unsure of some of the modes. I do know how to change to wideFM and AM.

>Anyway, if you have a clue for services in the 770-806 range, It would
>be a big help if you could post or e-mail it to me. Thanks very much!

TV channels 64 through 69 live between 770 and 806. Each is 6 MHz wide,
beginning with 64 at 770-776.

TV audio is 25 kHz deviation which requires wide mode, otherwise it will
sound just like you describe.

If there's no TV station in your area on those channels, you may be
picking up leakage from the cable TV system.

73 WA6NMF
--

Josephson Engineering, San Jose California   MICROPHONES
Tel/ 408-238-6062 Fax/ 408-238-6022   INSTRUMENTATION

Date: Sun, 7 Mar 1993 06:15:49 GMT
From: swrinde!gatech!usenet.ufl.edu!usf.edu!news@network.UCSD.EDU
Subject: [QUESTION] Free Internet access for Ham Radio Operators?
To: info-hams@ucsd.edu

Hi,
  I'm posting this for my uncle so if it sounds like I don't know anything
about amateur radio that's because I don't. :-)

  My uncle heard a rumor that Ham Radio Operators can get free access to the
Internet somehow. He didn't have any more details than that but he asked me
check around for him. I guess it would have to be some kind of network where
he could dial up and then connect from there. This was access via modem that
he was talking about, not packet radio.

  It doesn't sound very likely to me, but I just thought I'd ask. Anybody know
anything about this?

  Thanks for you time.
--
****
* Scott E. Frank   * Laugh and the world laughs with you, *

```
*   frank@eggo.csee.usf.edu           *      fart and you stand alone.     *
*****************************************************************************

------------------------------

Date: 7 Mar 93 08:16:46 GMT
From: swrinde!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!csn!ub!dsinc!
cs.widener.edu!widener!nobody@network.UCSD.EDU
Subject: [QUESTION] Free Internet access for Ham Radio Operators?
To: info-hams@ucsd.edu

In article <1993Mar7.061549.19585@ariel.ec.usf.edu> frank@eggo.csee.usf.edu (Scott
Frank) writes:
>Hi,
>  I'm posting this for my uncle so if it sounds like I don't know anything
>about amateur radio that's because I don't.  :-)
>
>  My uncle heard a rumor that Ham Radio Operators can get free access to the
>Internet somehow.  He didn't have any more details than that but he asked me
>check around for him.  I guess it would have to be some kind of network where
>he could dial up and then connect from there.  This was access via modem that
>he was talking about, not packet radio.
>
>  It doesn't sound very likely to me, but I just thought I'd ask.  Anybody know
>anything about this?
>
>  Thanks for you time.
>--
>*****************************************************************************
>*  Scott E. Frank                   *  Laugh and the world laughs with you, *
>*  frank@eggo.csee.usf.edu          *      fart and you stand alone.     *
>*****************************************************************************

Please let me know where this is when you finally find it!

thanks,

stuart b. tener
tener@cs.widener.edu
(215)-338-6005

------------------------------

Date: Sun, 7 Mar 1993 09:00:08 GMT
From: spool.mu.edu!darwin.sura.net!haven.umd.edu!wam.umd.edu!adam@decwrl.dec.com
Subject: [QUESTION] Free Internet access for Ham Radio Operators?
To: info-hams@ucsd.edu
```

In article <1993Mar7.061549.19585@ariel.ec.usf.edu> frank@eggo.csee.usf.edu (Scott
Frank) writes:
>Hi,
>
> My uncle heard a rumor that Ham Radio Operators can get free access to the
>Internet somehow. He didn't have any more details than that but he asked me
>check around for him. I guess it would have to be some kind of network where
>he could dial up and then connect from there. This was access via modem that
>he was talking about, not packet radio.

Yes and no. I know of a gateway that will pass mail back and forth through
the internet and packet. Now, if you consider dialing into a local packet
bbs by modem, you could theoretically have internet access (dial into a local
packet node by modem and then pass mail through it to the gateway, onto the
internet...). That would be totally free and never require a radio.

--Adam

Date: 6 Mar 1993 22:45 PST
From: swrinde!sdd.hp.com!caen!destroyer!cs.ubc.ca!unixg.ubc.ca!erich.triumf.ca!
bennett@network.UCSD.EDU
Subject: alfa, bravo ...
To: info-hams@ucsd.edu

In article <1993Mar5.120357.28767@aau.dk>, adminpb@aau.dk (Nis Peder Bonde)
writes...
>I'm sorry for wasting bandwidth on such a stupid question, but
>I haven't been able to find anything on this subject.
>
>I know that there is a table of "names" for each letter. I don't
>know what such a table is called, but I remember this from various
>films:
>

What you are looking for is called a "Phonetic Alphabet". The current ITU
version is:

Alpha, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India,
Juliett, Kilo, Lima, Mike, November, Oscar, Papa, Quebec, Romeo,
Sierra, Tango, Uniform, Victor, Whiskey, X-Ray, Yankee, Zulu.

There have been other versions in the past (WW2 used able, baker...) but this
is the current one.

Peter Bennett VE7CEI | Vessels shall be deemed to be in sight

```
Internet: bennett@erich.triumf.ca   | of one another only when one can be
Bitnet:   bennett@triumfer          | observed visually from the other
TRIUMF, Vancouver, B.C., Canada     |                          ColRegs 3(k)


------------------------------

Date: Fri, 5 Mar 1993 09:01:25 MST
From: agate!howland.reston.ans.net!usc!sdd.hp.com!caen!destroyer!cs.ubc.ca!
unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!adec23!ve6mgs!rec-radio-info@ames.arpa
Subject: Ham-Oriented Lists at Listserv@Knuth.MTSU.edu
To: info-hams@ucsd.edu

We would like to remind you of several mailing lists available from our
site which are oriented towards amateur radio, especially packet radio.
Your subscription requests should be sent to "LISTSERV@KNUTH.MTSU.EDU"
via E-mail with a blank subject line and a body beginning in column one
such as:

     subscribe <list_name> <your_name>

Other commands of use would be:

     help
     index
     subscribers <list_name>

Amateur-oriented (unmoderated) discussion lists are:

     TENNET-L: High Speed Wireless Packet Networking using TCP/IP
              for statewide coverage in Tennessee
     GRACILIS-L: Discussions about Packet Radio using this manufacturer's
              equipment, firmware, development trends
     GRAPES-L: Discussions about the "Georgia Radio Amateur Packet
              Enthusiasts Society", their high-speed network/backbone
              system, and the WA4DSY 56Kbps RF Modem
     TNV-HAMS: Ham Radio in general in the Tennessee Valley
              All hams in/around Tennessee are welcome!
     KA9Q-UNIX: Users/ports of KA9Q TCP/IP packet system under any of
              the various flavors of Unix/Xenix/Linux (also including
              WAMPES under Unix)

For those of us directly on the Internet, one can telnet to port 372 on
knuth.mtsu.edu (IP Address 161.45.1.1:372) and can interactively get
help, subscribe/unsubscribe, etc. with the listserver (using IULP-proposed
protocol).  Check these lists out!
--
John N Schmidt KD4EAI, Lab Director + 615-898-5561 M-F 1300-2230Z <7-4:30>
Middle Tennessee State University  ++ 615-898-5538 or 615-896-2871 FAX 24H
```

```
1500 Greenland Drive, PO Box 135  +x+ ggjns@Knuth.MTSU.edu via the Internet
Murfreesboro, TN 37132-0135 USA  +xx+ MTSU Center for Remote Sensing and GIS
AX.25-TCP/IP Adr [44.34.50.50]  +xxx+ Home of Packet/Internet gateway W4EFQ
--
   - Postings to rec.radio.info:         rec-radio-info@ve6mgs.ampr.ab.ca
   - rec.radio.info administrivia:        rec-radio-request@ve6mgs.ampr.ab.ca


------------------------------

Date: 6 Mar 93 19:42:23 GMT
From: olivea!spool.mu.edu!howland.reston.ans.net!wupost!cs.uiuc.edu!
vela.acs.oakland.edu!vela!swood@decwrl.dec.com
Subject: INFO WANTED:  Tokyo Hy-Power QRP CW/SSB HT
To: info-hams@ucsd.edu

I saw an add in the back of last months QST that shows a new QRP HT
sort of after the ones that were originally offered by AEA that was
stated to be a QRP hand held operating both CW and SSB on the 7,21 & 50 MHz
operating bands.  (presumably skipping 35 MHz 5th)

It is said to produce 2-3W out dependant on the frequency of operation.

I know not much else about it, and was wondering if anyone else has seen
or used these.  It has an extendable whip antenna, but I could only
imagine it being fully functional on the 50MHz frequencies.

If anyone else has any input on this little ditty, plz send me more info
via email...

swood
--
     ***** Last month to go shoot Fuzzy little bunnies!!! *****
           (sarcasm now people - put your flames away)
        (Crows may be taken out of season - see Hunting rules)
        <<<<<<  Only seven months until bow season!!! >>>>>>

------------------------------

Date: 6 Mar 93 21:57:22 GMT
From: auspex-gw!ckranz@uunet.uu.net
Subject: Knwd TS440S SWR shutdown
To: info-hams@ucsd.edu

I've just discovered that my Kenwood TS440S has got real selective as to
what's a bad SWR. It didn't do this before, but now it cuts back power
if the match is more than 1.25 to 1. I can get it to work into a dummy
load or if I use the antenna tuner. My Hustler 5BTV gets to 1.5 at the
band edges.
```

Are there other TS440S owners who have had this happen to their rig? I
believe I saw something about early shutdown in 440's on the net a long
time ago. Any pointers would be appreciated. I hope I don't have to send
it to the repair shop.

        Thanks in advance,
        Chuck

   Chuck Kranz   San Jose, Ca.
   wa7oef!chuck@auspex.com
   wa7oef!chuck@nsd.3com.com

--
  Chuck Kranz   Amateur Radio: TCI/IP AMTOR
  wa7oef!chuck@auspex.com (h)   chuck%wa7oef@sanjose.ampr.org
  ckranz@auspex.com (w)   wa7oef@wa8drz.#nocal.ca.usa.na

The unit you describe isn't really a repeater, it's a mobile
telephone duplex base station. If you can keep the power
supply cool it will run forever. The CC3034C transmitter may
not still meet the frequency stability requirements for commercial
base station service unless it's been modified to use a compensated
crystal oscillator rather than just a crystal in an oven.

I will look to see if I have a manual for the exciter. Look up
the numbers for the receiver (like the CC3034C you found for the
transmitter) and I may be able to find that too.

It's not likely that you'll find a manual for the Bell System
version but there is probably a very similar commercial product
that you can still get a manual for from Motorola.

73
WA6NMF
--

Josephson Engineering, San Jose California   MICROPHONES

```
Tel/ 408-238-6062  Fax/ 408-238-6022         INSTRUMENTATION
------------------------------------------------------------------------

------------------------------

Date: Thu, 4 Mar 1993 18:18:53 GMT
From: munnari.oz.au!spool.mu.edu!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpcc05!hp-
ptp!johns@network.UCSD.EDU
Subject: On-line frequency lists?
To: info-hams@ucsd.edu

Is there someplace in news/notes or an archive *server* that has a list
of the "public service" frequencies?  It can't be an anonymous ftp site
because HP blocks that type of access to or from our portion of Internet...


Thanks
73's  John,  KC6OVN

******************************************************************************
*   John Schubert;  Hewlett Packard, ISD   | The opinions contained herein *
*                   Sunnyvale, California   | are my own, because nobody    *
*   INTERNET:   jes@hpamsh4.hp.com          | else wants them...            *
*   CompuServe: >INTERNET:jes@hpamsh4.hp.com|                               *
*   HPDESK:     HP2200/40                   | "Ban low performance drivers, *
*                                           |  not high performance cars."  *
******************************************************************************

------------------------------

Date: 5 Mar 93 07:21:11 GMT
From: att!att!fang!tarpit!bilver!jwt!ksj@princeton.edu
Subject: Periphex SUCKS!
To: info-hams@ucsd.edu

UD173191@NDSUVM1.BITNET (Greg Moore) writes:
> Just got off the phone with Periphex, and boy, am I pissed!  Here's
> the fiasco:  My BP-84S suffers a minor deceleration trauma from about
> a six-inch drop.  Predictably, the battery rail breaks (gotta love
> those Icom battery rails for the 24AT).  So I called Periphex, thinking
> maybe they'd help, and they tell me it'll cost $29 EVEN THOUGH THE
> BATTERY IS STILL UNDER WARRANTY!

I'm at a loss to understand why you're so pissed, Greg.  The way it looks
from what you've written, you dropped something, it broke, and you're
angry because the company that made it won't give you another one free.
Call me crazy, but I don't expect a warranty to cover damage that I cause
myself by dropping things, even from six inches.  I'd say that's a pretty
```

universal way of thinking, which is why I guess they felt no need to put
the obvious into their warranty.

The 24AT battery rail design is pretty horrible, granted. It doesn't
make sense for Periphex to devote financial resources, though, to making
up for Icom's mistakes. That's Icom's department, right?

As far as I've seen, Periphex sells a quality product at a very attractive
price, and I've never had the first problem with them.

     Scott

```
================================================================
|    Automatic relayed from packet radio via               |
|             N8EMR's Ham BBS, 614-895-2553                 |
================================================================
```

ZCZC AP70
QST de W1AW
Propagation Forecast Bulletin 9 ARLP009
>From Tad Cook, KT7H, Seattle, WA
March 5, 1993
Relayed by KB8NW/OBS & BARF-80 BBS
To all radio amateurs

SB PROP ARL ARLP009
ARLP009 Propagation de KT7H

Solar activity increased last week. Flux values rose about 40
points, and there were some disturbances from solar flares. Most
disturbed were the periods around 1200z on February 28 with a K
index of five, and 0300z on March 4, when the K index reached six.

The last disturbance was caused by a major flare out of new region
7440 on the solar surface. The flare spewed forth late in the UTC
day on March 2, causing a big upset a little over 24 hours later.

Solar flux had been expected to continue rising to around 165 on
March 10, although it has already passed this level as this bulletin
was written on Thursday. Following that, it should drop to around
115 around March 22. More disturbances are forecast for March 8 or

9 and 21 or 22.

HF propagation should improve over the near term as we head toward
the equinox. Conditions should be stable for the Phone ARRL DX
Contest this weekend.

The propagation projection for the contest period is from California
to Europe. 80 meters should be best from 0130 to 0730z and 40
meters from 0030 to 1000. The peak period for 40 meters over this
path should be from 0200 to 0800z. 30 meters should be open around
the clock, with the best times from 0030 to 0900z. 20 meters should
be best from 1430 to 0030z with peak periods from 1500 to 1630z and
2230 to 0000z. 17 meters should be best from 1500 to 2130z and 15
meters from 1600 to 2000z. 12 meters may be open from 1630 to 2000z
with a peak right around 1730z. 10 meters should be open around
1730 to 1800z.

Sunspot numbers from February 25 to March 3 were 124, 118, 122, 142,
141, 122 and 110, with a mean of 125.6. 10.7 cm flux was 128,
126.2, 124, 124, 132.8, 143.5 and 151.1, with a mean of 132.7.
NNNN

Date: Sat, 6 Mar 1993 09:52:20 GMT
From: spool.mu.edu!darwin.sura.net!sgiblab!a2i!davidj@decwrl.dec.com
Subject: Studio mics for HF?
To: info-hams@ucsd.edu

In <62p4kmm@rpi.edu> maessm@rs6421.ecs.rpi.edu (Mat Maessen N2NJZ) writes:

>In article <1n7su9INNoqj@bigbird.csd.scarolina.edu>,
dfrey@bigbird.csd.scarolina.edu (David Frey) writes:
>|> The audio production folks occasionally upgrade their microphone inventory

>anced mike connection. This shouldn't be too hard if the mike is a dynamic
>mike.

>However, stay away from any condensor mikes or mikes that need "phantom" power.
>In order to power these mikes properly, you need to put +24 volts on one mike
>and -24 volts on the other mike line, connected through resistors. This is not
>a healthy voltage to have hanging around on the mike input of any ham rig.

NO! NO! Stop! Don't do that! Yow, maybe this is why there are so many blown up
mics out there.

Phantom power, gentlemen, is +48V _through 6.8K resistors to limit the current_,
and is used only with balanced mics (ham rigs are almost universally unbalanced)

You connect a 6.8K resistor from pin 2 to +48, and another one from pin 3 to
+48, and ground is pin 1. You can connect a dynamic mic to this without hazard
because the signal (voice coil, transformer, whatever) appears across pins 2
and 3 and pin 1 is floating or connected to the case.

Look, if anyone comes up with some interesting studio mics like RE-20's or
phantom powered condenser types, I'll be happy to send them nice crisp HF
mics in exchange.

73 and growl,
David WA6NMF
--

Josephson Engineering, San Jose California   MICROPHONES
Tel/ 408-238-6062 Fax/ 408-238-6022   INSTRUMENTATION

Date: Sat, 06 Mar 93 23:53:47 GMT
From: elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!
bulletin@decwrl.dec.com
Subject: VK2SG RTTY DX Notes, 5 March
To: info-hams@ucsd.edu

==
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
==

SB DX @ ALLBBS $RTDX0305
VK2SG RTTY DX Notes, 5 March
VK2SG RTTY DX Notes for week ending 5 March 1993 (BID RTDX0305)

Put this one on your calendar. BARTG RTTY Spring Contest 20 March at
0200z thru 22 March 0200z. Exchange RST, serial number beginning with
001 and UTC Time. Check February QST for further details.

Our information this week came from CE3GDN, DJ3IW and the Central
Europe DX-Cluster Node DB0SPC, I5FLN and the IK5PWJ Packet Cluster,
NT3B, N5PSI, WA1MBP, WX5L, W2JGR and the Twin-Cities DX Packet Cluster
network, W5KSI, and ZS5S. Thank you all for your assistance.

Bandpass:

Friday 26
0227-10102 OM2CQR

```
0256-14086 AL7BB
0326-14089 UA0ST      Zone 18
0645-14084 XT2BW
0843-21088 9K2WA/NLD
1408-28084 UW3AT
1446-21085 ES7JW
1456-2104 RB5FF
1727-21088 OM3CPS
1734-18100 SP4ASD
1810-21084 YL2ZZ

Saturday 27
0838-21087 3C1EA
0839-21084 ES7JW
1006-21090 9K2WA/NLD
1119-21084 7Q7ZZ
1225-21084' 9*0/OH3AC QSL via OH3AC
1243-21084 S21A
1342-21082 9H1ED
1504-21085 OK1MP
1530-21088 V51GZ
1555-21087 5R8DG
1621-21087 4X6UO      QSL via WB3CQN
1645-21086 OM3CPS
1733-21092 VP9MZ
1815-14082 OD5PL      QSL via HB9CRV
2042-14084 4K3/UW1ZU  Kildin Is. EU082


Sunday 28
0119-21088 KN4DG/KH2
0753-21085 ES7FQ
0756-14087 S57AN
0908-28086 TA5C
1054-14083 9A3IM
1124-21087 UL7PBY
1129-21090 FR5DE
1208-14085 HP2VX
1246-21089 9K2WA/NLD
1253-2108( HK0/AA5AU  QSL via AA5AU
1408-21082 CT3CU
1525-21086 HK0/KB5GL  QSL via KA6V
1435-14083 JX7DFA
1630-14086 UO5OIN
2116-21087 VP9MZ

Monday 01
0146-14084 HI8MTL
```

```
0317-14084 HK0/KB5GL
0367-1,083 PJ2HB
0616-14088 JG1RMB/JD1 Minami Torishima
0640-14084 S57AN
0815-14083 SU1AH
0840-21088 JG1RMB/JD1
0935-21092 UL7FBM
1230-2108* VU2JJQ
1312-21089 UM8MU
1346-14084 OD5PL
1418-21087 UF6FJ
1530-14088 HZ1AB
1815-14085 CN8FD
1851-21084 HK0/KB5GL

Tuesday 02
1142-14085 HK0/KB5GL
1145-21085 VU2JJQ
1146 21085 ES7JW
1327-21087 OD5PL
1346-21082 OK1AJN
1416-21088 9K2WA
1618-21084 HK0/KB5GL
1735-21090 EA8ATE
1800-21083 CT3CU
1804-14083 S79PDL
1825-14086 TK5YP
1828-21087 5R8DG
1853-21085 ZD7AY

Wednesday 03
0255- 3585 HK0/AA5AU
0346- 7082 HK0/AA5AU
0712-14084 FK8FI
0728-14080 SV1LK
1207-21089 ES7MM
1541-21090 OD5PL
1546-21082 LY2ZZ
1640-21089 5R8DG
1710-14084 SV8AJN      Leamo Is.
1723-21085 HK0/AA5AU
1823-21086 CT3CU
1904-21083 ZS6NW

Thursday 04
1305-21082 RB5FF
1323-21085 OD5PL
1629-21088 OK1KSL
```

```
1644-21089 5R8DG
1702-21085 OK1MP
2250-21085 HK0/KB5GL
2302-14088 FM5DN
2303-21087 ZF2ND
```

Notes of Interest

KH5 and KH5K, Palmyra-Kingman Reef. There might be a slight delay,
due to some ship repairs. They plan to arrive on Kingman Reef
05 March, then some of the group will travel to Palmyra. The
operation is scheduled for nine days. Calls used will be N9NS/KH5K
and N0AFW/KH5.

9M0S, Spratly Islands. This operation is planned for 11-17 March in
cooperations with the Malaysian Amateur Radio Trans. Society, MARTS.
A multi-national team and vessel has been chartered for this
expedition. Frequencies published were for CW and SSB and did not
include RTTY. We sure hope this is an oversight.

FR5ZU/E and FR5ZU/G. Still need these QSL's? VE2NW, Zaren Amadouny,
18 Nisko, Dollard Des Ormeaux, PQ H9G 2R5, Canada, has the logs for
the September and October 1992 operations and is now the QSL Manger
for FR5ZU.

ET, Ethiopia. We should be hearing anytime now from Sid, G4CTQ
signing ET3SID. Length of stay unknown. Only mode reported was RTTY.
KYFC.

For next week's bulletin, please direct your note and bandpass to
Jules, W2JGR @ CE2GDN.#STGO.CHL.SA

Remember, DX DON'T Sleep.

GL de Bob, WB2CJL at CE3GDN.#STGO.CHL.ZA
Edited for Packet and Pactor by W5KSI and N6EQZ
/EX
SP KT7H @ N7DUO.WA.USA

End of Info-Hams Digest V93 #286
****